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Form PTO-1449 IRSY. 7.801 U.S. Department of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO.	1094-1-028DIV
	SERIAL NO.	10/646,268
LIST OF DOCUMENTARY INFORMATION	APPLICANT	Mark Marchionni et al.
CITED BY APPLICANT (INFORMATION DISCLOSURE STATEMENT)	FILING DATE	August 22, 2003
	GROUP	1644

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLA SS	FILING DATE IF APPROPRIATE
	AA	5,530,109	6/25/96	Goodearl et al.			
	AB	5,716,930	2/10/98	Goodearl et al.			
	AC	3,773,919	11/20/73	Boswell et al.			
	AD	4,179,337	12/18/79	Davis et al.			
	AE	4,301,144	11/17/81	lwashita et al.			
	AF	4,485,045	11/27/84	Regen			
	AG	4,496,689	1/29/85	Mitra			
	АН	4,544,545	10/1/85	Ryan et al.			
	Al	4,640,835	2/3/87	Shimizu et al.			
	AJ	4,670,417	6/2/87	lwasaki et al.			
	AK	4,791,192	12/13/88	Nakagawa et al.			
	AL	5,367,060	11/22/94	Vandlen et al.			
	АМ	5,641,869	6/24/97	Vandlen et al.			
	AN	5,667,780	9/16/97	Ho et al.			
	АО	5,714,385	2/3/98	Mather et al.			

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r	T			
	AP	5,721,139	2/24/98	Mather et al.
	AQ	5,834,229	11/10/98	Vandlen et al.
	AR	5,840,525	11/24/98	Vandlen et al.
	AS	5,856,110	1/5/99	Vandlen et al.
	АТ	5,859,206	1/12/99	Vandlen et al.
	AU	5,968,511	10/19/99	Akita et al.
	AV	6,033,660	3/7/00	Mather et al.
	AW	6,087,323	7/11/00	Gwynne et al.
	AX	6,096,873	8/1/00	Schaefer et al.
	AY	6,121,415	9/19/00	Godowski et al.
	AZ	6,136,558	10/24/00	Ballinger et al.
	ABA	6,156,728	12/5/00	Gao
	ABB	6.162,641	12/19/00	Goldman et al.
	ABC	6,169,070	1/2/01	Chen et al.
	ABD	6,252,051	6/26/01	Godowski et al.
	ABE	6,387,638	5/14/02	Ballinger et al.
	ABF	6,399,746	6/4/02	Vandlen et al.
	ABG	6,444,642	9/3/02	Sklar et al.
	АВН	6,446,242	9/3/02	Lien et al.

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AB I	6,593,290	7/15/03	Gao
ABJ	6,635,249	10/21/03	Marchionni et al.
ABK	6,750,196	6/15/04	Reh et al.
 ABL	7,037,888	5/2/06	Sklar et al.
АВМ	7,226,907	6/5/07	Zhou

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	C L A S S	SUB- CLA SS	TRANSLATION YES NO
ВА	WO 97/09425	3/13/97	PCT			
ВВ	0 102 324	3/7/84	Europe			
вс	0 133 988	8/1/84	Europe			
BD	0 052322	3/27/85	Europe			
BE	0 058481	10/1/86	Europe			
BF	0 088 046	12/9/87	Europe			
BG	0 143 949	10/12/88	Europe			
вн	0 036 676	9/19/90	Europe			

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	ВІ	0 142 641	1/16/91	Europe	<u> </u>	
	ВЈ	0 647 449	6/23/94	Europe		
	вк	WO 89/01489	2/23/89	PCT		
	BL	WO 92/18627	10/29/92	PCT		
	вм	WO 94/00140	1/6/94	PCT		
	BN	WO 94/26298	11/24/94	PCT		
	во	WO 95/32724	12/7/95	PCT		
	ВР	WO 96/15812	5/30/96	PCT		
	BQ	WO 99/18976	4/22/99	PCT		
	BR	DE 3218121	5/14/82	Germany		
	BS	AU -B-68278/94	12/12/94	Australia		
	вт	58-118008 (Abstract only)	1/16/85	Japan		

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	GROUP	1644

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	Burden et al., Neuregulins and Their Receptors: A Versatile Signalling Module in Organogenesis and Oncogenesis, Neuron, 18:847-855 (1997)
СВ	Busfield et al., Characterization of a Neuregulin-Related Gene, <i>Don-1</i> , That is Highly Expressed in Related Regions of the Cerebellum and Hippocampus, Mol. Cell. Biol., 17:4007-4014 (1997)
СС	Caraway et al., Neuregulin-2, a new ligand of ErbB3/Erb84-Receptor Tyrosine Kinases, Nature, 387:512-516 (1997)
CD	Chang et al., Ligand for ErB-family Receptors Encoded by a Neuregulin-like Gene, Nature, 387:509-512 (1997)
CE	Holmes et al., Identification of Heregulin, A Specific Activator of p185enbB2. Science 256:1205-1210 (1992)
CF	Lemke, Neuregulins in Development, Mol. Cell. Neurosci. 7;247-262 (1996)
cG	Marchionni et al., Glial Growth Factors are Alternatively Spliced erbB2 Ligands expressed in the Nervous System, Nature 362:312-318 (1993)
СН	Meyer et al., Isoform-specific Expresion and Function of Neuregulin, Development 124:3575-3586 (1997)
СІ	Peles et al., Isolation of the NeuHER-2 Stimulatory Ligand: A 44 kd Glycoprotein that Induces Differentiation of Mammary Tumor Cells, Cell 69:205-216 (1992)
C1	Bargmann et al., "The Neu oncogene encodes an epidermal growth factor receptor-related protein" Nature 319:226-230, 1986
СК	Chen et al., "Expression of Multiple Neuregulin Transcripts in Postnatal Rat Brains: J. Comp. Neurol. 349: 389-400, 1994
CL	Corfas et al., "Differential Expression of ARIA Isoforms in the Rat Brain" Neuron 14: 103-115, 1995

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	GROUP	1644

 СМ	Falls et al., "ARIA, A Protein that Stimulates Acetylcholine Receptor Synthesis, is a member of the Neu ligand Family" Cell 72: 801-815, 1993
CN	Higashiyama et al., "A novel brain-derived member of the epidermal growth factor family that interacts with ErbB3 and ErbB4" J. Biochem. (Tokyo) 122:675-680, 1997
со	Hijazi et al., "NRG-3 in human breast cancers: activation of multiple erbB family proteins: Int. J. Oncol. 13:1051-1067, 1998
СР	Kraus, et al., Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: evidence for overexpression in a subset of human mammary tumors" Proc. Natl. Acad. Sci. USA 86: 9193-9197, 1989
CQ	Meyer et al., "Distinct Isoforms of neuregulin are expressed in mesenchymal and neuronal cells during mouse development" Proc. Natl. Acad. Sci. USA 91: 1064-1068, 1994
CR	Orr-Urtreger et al., "Neural expression and chromosomal mapping of Neu differentiation factor to 8p12-p21" Proc. Natl. Acad. Sci. USA 90: 1867-1871, 1993
cs	Plowman et al., 'Ligand-specific activation of HER4/p180 <sup>erb84</sup> , a fourth member of the epidermal growth factor receptor family" Proc. Natl. Acad. Sci. USA 90: 1746-1750, 1993
СТ	Sarker et al., "Quantitative analysis of Her-2/neu (ERBB2) gene expression using reverse transcriptase polymerase chain reaction" Diagn. Mol. Pathol. 2:210-218, 1993
cu	U.S. Application Serial No. 08/461,097
cv	Wen et al., Neu Differentiation Factor: A Transmembrance Glycoprotein Containing an EGF Domain and an Immunoglobulin Homology Unit" Cell 69:559-572, 1992
cw	Zhao et al., "Neuregulins Promote Survival and Growth of Cardiac Myocytes." Journal of Biological Chemistry 273:10261-10269, 1998
СХ	Peles and Yarden, Neu and its Ligands: From an Oncogene to Neural factors, BioEssays 15:815-824 (1993)
CY	Pinkas-Kramarski et al., Differential Expression of NDF/neuregulin reeptors ErbB-3 and ErbB-4 and involvement In inhibition of Neuronal Differential, Oncogene 15:2803-2815 (1997)

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cz	Pinkas-Kramarski et al., Brain Neurons and Glial Cells Express neu Differential Factor/Heregulin A Survival Factor for Astrocytes, Proc. Natl. Acad. Sci. USA 91:9387-9391 (1994)
CAA	Pinkas-Kramarski et al., ErbB Tyrosine Kinases and the Two Neuregulin Families Constitute a Ligand-Receptor network, Mol. Cell. Biol. 18:6090-6101 (1998)
CAB	Zhang et al., Neuregulin-3 (NRG3): A Novel Neural Tissue-Enriched Protein That Binds and Activates ErbB4, Proc. Natl. Acad. Sci USA 94:9562-9567 (1997)
CAC	The Merck Manual of Diagnosis and Therapy, 17th Edition, pages 1682-1692 (1999)
CAD	Balligand et al., Cardiac Endothelium and Tissue Growth, Progress in Cardiovascular Diseases, 39:351-360 (1997)
CAE	Chien et al., Regulation of cardiac gene expression during myocardial growth and hypertrophy: molecular studies of an adaptive physiologic response, The FASEB Journal, 5:3037-3046 (1991)
CAF	Dias et al., The Molecular Basis of Skeletal Muscle Differentiation, Seminars in Diagnostic Pathology, 11:3-14 (1994)
CAG	Epstein et al., Biological activity of liposome-encapsulated murine interferon γ is mediated by a cell membrane receptor, Proc. Natl. Acad. Sci. USA, 82:3688-3692 (1985)
САН	Florini et al., Stimulation of Myogenic Differentiation by a Neuregulin, Glial Growth Factor 2, J. Biol. Chem., 271:12699-12702 (1996)
CAI	Hwang et al., Hepatic uptake and degradation of unilamellar sphingomyelin/cholesterol liposomes: A kinetic study, Proc. Natl. Acad. Sci. USA, 77:4030-4034 (1980)
CAJ	Langer et al., Biocompatibilty of polymeric delivery systems for macromolecules, Journal of Biomedical Material Research, 15:267-277 (1981)
CAK	Parker et al., p53-Independent Expression of p21 <sup>cip1</sup> in Muscle and Other Terminally Differentiating Cells, Science, 267:1024-1027 (1995)
CAL	Physician's Desk Reference, Medical Economics Data Production Co., Montvale, NJ, 2314-2320 (1994)

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CAM	Rumyantsev, Interrelations of the Proliferation and Differentiation Processes during Cardiac Myogenesis, and Regeneration, International Review Cytology, 51:187-273 (1977)
CAN	Sidman et al., Controlled Release of Macromolecules and Pharmaceuticals from Synthetic Polypeptides Based on Glutamic Acid, Biopolymers, 22:547-556 (1983)
CAO	Simpson et al., Myocyte Hypertrophy in Neonatal Rat Heart Cultures and Its Regulation by Serum and by Catecholamines, Circulation Research, 51:787-801 (1982)
САР	Zhao et al., Selective disruption of neuregulin-1 function in vertebrate embryos using ribozyme-tRNA transgenes, Development, 125:1899-1907 (1998)
CAQ	Zhou et al., Retinoid-dependent pathways suppress myocardial cell hypertrophy, Proc. Natl. Acad. Sci. USA, 92:7391-7395 (1995)
CAR	Gassmann et al., Aberrant neural and cardiac development in mice lacking the ErbB4 neuregulin receptor, Nature, 378:390-394 (1995)
CAS	Liu et al., Domain-specific gene disruption reveals critical regulation of neuregulin signaling by its cytoplasmic tail, Proc. Natl. Acad. Sci. USA, 95:13024-13029 (1998)

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